

Gambel, P.

1644

HY

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/756,018A

DATE: 03/29/2000
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Input Set: H756018A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: Brian Seed
2 Tara Pouyani
3 <120> TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES
4 AND METHODS
5 <130> FILE REFERENCE: 00786/284002
6 <140> CURRENT APPLICATION NUMBER: US/08/756,018A
7 <141> CURRENT FILING DATE: 1996-11-25
8 <150> EARLIER APPLICATION NUMBER: 60/000,213
9 <151> EARLIER FILING DATE: 1995-06-14
10 <150> EARLIER APPLICATION NUMBER: 08/661,960
11 <151> EARLIER FILING DATE: 1996-06-12
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22 <211> LENGTH: 16
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
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31 <213> ORGANISM: Homo sapiens
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36 20 25 30
37 Tyr Asp Phe Leu Pro Glu Thr Glu Pro Pro
38 35 40
39 <210> SEQ ID NO 4
40 <211> LENGTH: 16
41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapiens
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| 53 | Leu Pro Glu Thr | | | | |
| 54 | 20 | | | | |
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| 80 | tcggtaagg tctcctgca ggcttctgga ggcacatcca gcagctatgc tatcagctgg | | | | 180 |
| 81 | gtgcgacagg cccctggaca agggctttag tggatgggag ggatcatccc tatcttttgt | | | | 240 |
| 82 | acagcaaact acgcacagaa gttccaggagc agagtcacga ttaccggca cgaatccacg | | | | 300 |
| 83 | agcacagcct acatggagct gagcagccct agatctgagg acacggccgt gtattactgt | | | | 360 |
| 84 | gcgagagata atggagcgta ttgttagtggt ggtagctgt actcgggctg gttcgacccc | | | | 420 |
| 85 | tggggccagg gaaccctggt caccgtctt tcaggtgagt actgaattct agctttctgg | | | | 480 |
| 86 | ggcaggccag gcctgacctt ggctttgggg cagggagggg gctaaggta ggcagggtggc | | | | 540 |
| 87 | gccagcagg gcacacccaa tgcccatgag cccagacact ggacgctgaa cctcgccgac | | | | 600 |
| 88 | agttaagaac ccaggggcct ctgcgcctgg gcccagctct gtcccacacc gcggtcacat | | | | 660 |
| 89 | ggcaccacct ctcttgcagc ctccaccaag ggcccatcg tcttccccct ggcaccctcc | | | | 720 |
| 90 | tccaagagca cctctggggg cacagcggcc ctgggctgcc tggtaagga ctacttcccc | | | | 780 |
| 91 | gaaccggta cggtgtcgtg gaactcaggc gccctgacca gcccgtgca caccttcccg | | | | 840 |
| 92 | gctgtccctac agtcctcagg actctactcc ctcagcagcg tggtaaccgt gcccctccagc | | | | 900 |
| 93 | agcttgggca cccagaccta catctgcaac gtgaatcaca agcccagcaa caccaagggt | | | | 960 |
| 94 | gacaagaaaag ttggtgagag gccagcacag ggagggaggg tgtctgctgg aagcaggctc | | | | 1020 |

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| 96 | cccggtcgcc | tttcacccg | gagcctctgc | ccgccccact | catgctcagg | gagagggtct | 1140 |
| 97 | tctggctttt | tcccaggctc | tgggcaggca | caggcttaggt | gcccttaacc | caggccctgc | 1200 |
| 98 | acacaaaggg | gcaggtgctg | ggctcagacc | tgccaagagc | catatccggg | aggaccctgc | 1260 |
| 99 | ccctgaccta | agcccacccc | aaaggccaaa | ctctccactc | cctcagctcg | gacaccttct | 1320 |
| 100 | ctcctcccag | attccagtaa | ctcccaatct | tctctctgca | gagcccaa | at cttgtgacaa | 1380 |
| 101 | aactcacaca | tgcccaccgt | gcccaggtaa | gccagcccag | gcctcgccct | ccagctcaag | 1440 |
| 102 | gcgggacagg | tgccttagag | tagcctgcat | ccagggacag | gccccagccg | ggtgctgaca | 1500 |
| 103 | cgtccacctc | catctttcc | tcagcacctg | aactcctggg | gggaccgtca | gtcttcctct | 1560 |
| 104 | tccccccaaa | acccaaggac | accctcatga | tctccggac | ccctgaggtc | acatgcgtgg | 1620 |
| 105 | tggtgacgt | gagccacgaa | gaccctgagg | tcaagtcaa | ctggta | ctggtacgtg | 1680 |
| 106 | aggtgcataa | tgccaagaca | aagccgcggg | aggagcagta | caacacgacg | tacccgggtgg | 1740 |
| 107 | tcagcgtcct | caccgtcctg | caccaggact | ggctgaatgg | caaggagtac | aagtgcagg | 1800 |
| 108 | tctccaacaa | agccctccca | gccccatcg | agaaaaccat | ctccaaagcc | aaagggtggga | 1860 |
| 109 | cccggtgggt | gcgagggcca | catggacaga | ggccggctcg | gcccaccc | tgccctgaga | 1920 |
| 110 | gtgaccgctg | taccaacctc | tgtcctacag | ggcagcccc | agaaccacag | gtgtacaccc | 1980 |
| 111 | tgc | ccccatc | ccgggatgag | ctgaccaaga | accaggtca | cctgacctgc | 2040 |
| 112 | gttctatcc | cagcgcacatc | gccgtggagt | gggagagcaa | tggcagccg | gagaacaact | 2100 |
| 113 | acaagaccac | gcctcccgtg | ctggactccg | acggctcctt | cttcctctac | agcaagctca | 2160 |
| 114 | ccgtggacaa | gagcaggtgg | cagcagggga | acgtcttctc | atgctccgtg | atgcatgagg | 2220 |
| 115 | ctctgcacaa | ccactacacg | cagaagagcc | tctccctg | tccggtaaa | ttagtgcgac | 2280 |
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117 <210> SEQ ID NO 9

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119 <212> TYPE: PRT

120 <213> ORGANISM: Homo sapiens

121 <400> SEQUENCE: 9

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| 122 | Lys | Leu | Thr | Thr | Met | Asp | Trp | Trp | Arg | Phe | Phe | Phe | Val | Val | | |
| 123 | 1 | | | | 5 | | | | 10 | | | | 15 | | | |
| 124 | Ala | Ala | Ala | Thr | Gly | Val | Gln | Ser | Gln | Val | Gln | Leu | Val | Gln | Ser | Gly |
| 125 | | | | | | 20 | | | 25 | | | 30 | | | | |
| 126 | Ala | Glu | Val | Lys | Lys | Pro | Gly | Ser | Ser | Val | Lys | Val | Ser | Cys | Lys | Ala |
| 127 | | | | | | | 35 | | 40 | | | 45 | | | | |
| 128 | Ser | Gly | Gly | Thr | Phe | Ser | Ser | Tyr | Ala | Ile | Ser | Trp | Val | Arg | Gln | Ala |
| 129 | | | | | | | 50 | | 55 | | | 60 | | | | |
| 130 | Pro | Gly | Gln | Gly | Leu | Glu | Trp | Met | Gly | Gly | Ile | Ile | Pro | Ile | Phe | Gly |
| 131 | | | | | | | 65 | | 70 | | | 75 | | | 80 | |
| 132 | Thr | Ala | Asn | Tyr | Ala | Gln | Lys | Phe | Gln | Gly | Arg | Val | Thr | Ile | Thr | Ala |
| 133 | | | | | | | 85 | | 90 | | | 95 | | | | |
| 134 | Asp | Glu | Ser | Thr | Ala | Arg | Asp | Asn | Gly | Ala | Tyr | Cys | Ser | Gly | Gly | Ser |
| 135 | | | | | | | 100 | | 105 | | | 110 | | | | |
| 136 | Cys | Tyr | Ser | Gly | Trp | Phe | Asp | Pro | Trp | Gly | Gln | Gly | Thr | Leu | Val | Thr |
| 137 | | | | | | | 115 | | 120 | | | 125 | | | | |
| 138 | Val | Ser | Ser | Ala | Ser | Thr | Lys | Gly | Pro | Ser | Val | Phe | Pro | Leu | Ala | Pro |
| 139 | | | | | | | 130 | | 135 | | | 140 | | | | |
| 140 | Ser | Ser | Lys | Ser | Thr | Ser | Gly | Gly | Thr | Ala | Ala | Leu | Gly | Cys | Leu | Val |
| 141 | | | | | | | 145 | | 150 | | | 155 | | | 160 | |
| 142 | Lys | Asp | Tyr | Phe | Pro | Glu | Pro | Val | Thr | Val | Ser | Trp | Asn | Ser | Gly | Ala |
| 143 | | | | | | | 165 | | 170 | | | 175 | | | | |
| 144 | Leu | Thr | Ser | Gly | Val | His | Thr | Phe | Pro | Ala | Val | Leu | Gln | Ser | Ser | Gly |

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| 145 | 180 | 185 | 190 |
| 146 | Leu Tyr Ser Leu Ser Ser Val Val | Thr Val Pro Ser Ser Ser Asp Lys | |
| 147 | 195 | 200 | 205 |
| 148 | Lys Val Glu Pro Lys Ser Cys Asp Lys | Thr His Thr Cys Pro Pro Cys | |
| 149 | 210 | 215 | 220 |
| 150 | Pro Ala Pro Glu Leu Leu Gly Gly | Pro Ser Val Phe Leu Phe Pro Pro | |
| 151 | 225 | 230 | 235 |
| 152 | Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val | Thr Cys | 240 |
| 153 | 245 | 250 | 255 |
| 154 | Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys | Phe Asn Trp | |
| 155 | 260 | 265 | 270 |
| 156 | Tyr Val Asp Gly Val Glu Val His Asn Ala Lys | Thr Lys Pro Arg Glu | |
| 157 | 275 | 280 | 285 |
| 158 | Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val | Leu Thr Val Leu | |
| 159 | 290 | 295 | 300 |
| 160 | His Gln Asp Trp Leu Asn Gly Lys Glu Tyr | Lys Cys Lys Val Ser Asn | |
| 161 | 305 | 310 | 315 |
| 162 | Lys Ala Leu Pro Ala Pro Ile Glu Lys | Thr Ile Ser Lys Ala Lys Gly | 320 |
| 163 | 325 | 330 | 335 |
| 164 | Gln Pro Arg Glu Pro Gln Val Tyr | Thr Leu Pro Pro Ser Arg Asp Glu | |
| 165 | 340 | 345 | 350 |
| 166 | Leu Thr Lys Asn Gln Val Ser Leu Thr Cys | Leu Val Lys Gly Phe Tyr | |
| 167 | 355 | 360 | 365 |
| 168 | Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn | Gly Gln Pro Glu Asn | |
| 169 | 370 | 375 | 380 |
| 170 | Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp | Ser Asp Gly Ser Phe Phe | |
| 171 | 385 | 390 | 395 |
| 172 | Leu Tyr Ser Lys Leu Thr Val Asp Lys | Ser Arg Trp Gln Gln Gly Asn | 400 |
| 173 | 405 | 410 | 415 |
| 174 | Val Phe Ser Cys Ser Val Met His Glu Ala Leu His | Asn His Tyr Thr | |
| 175 | 420 | 425 | 430 |
| 176 | Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys | | |
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| 188 | cggaaaaatg ggaccatctc cagatacgtg ggaggccaag agcatttcgc tcacttgctg | 360 | |
| 189 | atcctcaggc acaccaagac ctacatgctt gctttgacg tgaacgatga gaagaactgg | 420 | |
| 190 | gggctgtctg tctatgctga caagccagag acgaccaagg agcaactggg agagttctac | 480 | |
| 191 | gaagctctcg actgcttgcg cattcccaag tcagatgtcg tgtacaccga ttggaaaaaag | 540 | |
| 192 | gataagtgtg agccactgga gaagcagcac gagaaggaga ggaaacagga ggagggggaa | 600 | |
| 193 | tcggatcccg agggtgagta ctaagcttca gcgcctcgtc ctggacgcat cccggctatg | 660 | |
| 194 | cagccccagt ccagggcagc aaggcaggcc ccgtctgcct cttcacccgg agccctctgccc | 720 | |

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 216 <211> LENGTH: 437
 217 <212> TYPE: PRT
 218 <213> ORGANISM: Homo sapiens
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 35 40 45
 Ala Phe Arg Asn Glu Glu Tyr Asn Lys Ser Val Gln Glu Ile Gln Ala
 50 55 60
 Thr Phe Phe Tyr Phe Thr Pro Asn Lys Thr Glu Asp Thr Ile Phe Leu
 65 70 75 80
 Arg Glu Tyr Gln Thr Arg Gln Asp Gln Cys Ile Tyr Asn Thr Thr Tyr
 85 90 95
 Leu Asn Val Gln Arg Glu Asn Gly Thr Ile Ser Arg Tyr Val Gly Gly
 100 105 110
 Gln Glu His Phe Ala His Leu Leu Ile Leu Arg Asp Thr Lys Thr Tyr
 115 120 125
 Met Leu Ala Phe Asp Val Asn Asp Glu Lys Asn Trp Gly Leu Ser Val
 130 135 140
 Tyr Ala Asp Lys Pro Glu Thr Thr Lys Glu Gln Leu Gly Glu Phe Tyr
 145 150 155 160
 Glu Ala Leu Asp Cys Leu Arg Ile Pro Lys Ser Asp Val Val Tyr Thr
 165 170 175
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 180 185 190
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